

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 08/05/2016 10:10 AM
Cytometer Baseline: 07/29/2016 03:45 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124667	-1	1.87	124520	1.83
Blue	F	SSC	125000	126094	0	3.45	126518	3.34
Blue	E	FITC	22946	22710	-2	2.52	1004	9.55
Blue	D	PE	28770	28189	-3	2.13	1012	8.70
Blue	B	PerCP-Cy5-5	51099	50264	-2	3.38	1442	15.46
Blue	A	PE-Cy7	42312	41676	-2	4.83	644	32.51
Red	C	APC	52169	51757	-1	2.84	3002	9.17
Red	A	APC-Cy7	56705	56011	-2	2.93	1159	10.92
Violet	B	V450	14708	14045	-5	4.03	675	8.84
Violet	A	V500	58608	57221	-3	3.75	2539	6.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20135	4.32	591	-7	N/A	N/A	Pass
Blue	F	SSC	62863	2.30	523	5	N/A	N/A	Pass
Blue	E	FITC	114	35.79	530	-1	0.0245	136	Pass
Blue	D	PE	223	26.32	524	-2	0.2177	281	Pass
Blue	B	PerCP-Cy5-5	229	40.05	620	-2	0.0123	74	Pass
Blue	A	PE-Cy7	72	105.13	668	-3	0.0142	10	Pass
Red	C	APC	347	27.09	587	-3	0.0220	91	Pass
Red	A	APC-Cy7	126	39.09	572	-4	0.0060	1615	Pass
Violet	B	V450	81	39.74	464	5	0.0459	1530	Pass
Violet	A	V500	185	20.80	494	6	0.0149	50	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.00	-30.81	0.84
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	18.19	13.27 - 19.91	N/A	N/A	31.31	31.59	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10007

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments